



**ROOTS INDUSTRIES INDIA LIMITED**  
**ROOTS METROLOGY & TESTING LABORATORY**  
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**CALIBRATION CERTIFICATE**

ULR Number: CC275219000083790F

<b>Name and address of the customer</b> TheMedicalOfficer Government Primery Health Center Embal-Pudukkottai(dist)	<b>Certificate no</b> :Rmtl/01/319101310/006 <b>Date of calibration</b> :13/8/2023 <b>Suggested calibration due</b> :12/8/2024 <b>Customer po.reference. &amp;date:</b>
<b>NameOfTheDuc</b> : <b>CENTRIFUGE</b> <b>Make: labotech</b> <b>Model: BDI- 152</b> <b>Sl.No :NA</b> <b>Range/Size :1-4000RPM/230v</b>	<b>Receiving Condition Of Duc</b> :Good <b>Ref. Document:As Per Manufactures Specification</b> <b>Environmental Condition:25.3 Deg &amp; 54.3% Rh</b> <b>Uncertainty Of Measurement:As Per Report</b> <b>Location:lab</b>

**1.DESRIPTION OF DUC**

THE MASTERS ARE TRACEABLE TO NATIONAL/INTERNATIONAL STANDARDS AS PER ISO/IEC17025.

**2.DETAILS OF MASTER USED**

StandardInstrumentUsed	Make/Model	Id No	TraceableTo/CertificateNo	Validity
DecadeMegohm	Vaisashika	Rml-230	Vaiseshika,AmbalaCantt/Ved/Nabl/18-19(Et)/92	1-6-2024
Digital Tachometer	Mextec	Rml-251	Gsg/19/206/Tm/01	1-6-2024
MultiProduct Calibrator	Fluke	Rml-262	Wavecal,Blr/Cs-18/01-01	1-6-2024
MultiProduct Calibrator (Ac/DcCurrentCoil)	Transmille	Rml-252-1	Wavecal,Blr/Cs-18/69-01	1-6-2024
Leakage CurrentTester	Htc/Cl-2054	Rml-254-1	Rmtl/01/319107848	1-6-2024

Sl.no	Range	Master reading sv	Calibrated value sv	Error observe dv	Uncertainty v
1	0vto400v	230	231	1	0.055

**CALIBRATION FIELD: Electr oTechnical (Voltage Calibration-Ac)**

**CURRENT CALIBRATION Ac Current @ 50Hz**

Sl.no	Range	Master readings mA	Calibrated values mA	Error observed mA	Uncertainty mA
1	40Ma-100A	2	2.002	-0.002	0.045

**Resistancecalibration**

Sl.no	Range	Master readings ohms	Calibrated values ohms	Error observed ohms	Uncertainty Ohms
1	40	39	39.01	0.001	0.007

**CALIBRATION FIELD: RPM Calibration**

Sl.no	Range	Master readings RPM	Calibrated values RPM	Error observed RPM	UncertaintyRPM
1	1RPMto4000RPM	1600RPM	1599RPM	1RPM	0.055

**4.remarks**

- 4.1uncertainty estimatedforaconfidence levelof95% atthek factor=2
  - 4.2the reported results are valid only for the condition of the inst./gauge received at the time of and under theconditionofthecalibration
  - 4.3DUC-device undercalibration
- Calibrationlabel/status:Calibrationresultpass&failare indicated

**CALIBRATION ENGINEER**



**AUTHORIZED SIGN**

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